

John Deere 8503-40,610
DD08528, DD08529,
UP00857, UP03588,
TY25202, TY25203,
01231-A, 01231-D

Material Safety Data Sheet

Material Name: 2-Cycle Exact Mix

*** Section 1 - Chemical Product and Company Identification ***

Synonyms: John Deere GL Mix; JD Power Care 2 Cycle

Manufacturer Information

Specialty Oil Company
Division of Pennzoil-Quaker State Company
2740 Valley View Drive
Shreveport, LA 71108

Phone: 800-546-6227

Emergency # 800-546-6040

Supplier Information:

John Deere
14401 Caronwinds Blvd.
Charlotte, NC 28273

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
64742-47-8	Petroleum distillates, hydrotreated light	10
78330-13-9	Phenol, butenylated, aminated	3-4
71486-79-8	Benzenesulfonic acid, mono-C15-30-branched alkyl and di-C11-13-branched and linear alkyl derivatives, calcium salts, overbased	<2
64742-70-7	Paraffin oils, petroleum, catalytic dewaxed heavy	Blend
64742-65-0	Petroleum distillates, solvent dewaxed heavy paraffinic	Blend
64742-62-7	Residual oils (petroleum), solvent dewaxed	Blend
64742-57-0	Residual oils (petroleum), hydrotreated	Blend
64742-54-7	Petroleum distillates, hydrotreated heavy paraffinic	Blend
64742-53-6	Petroleum distillates, hydrotreated light naphthenic	Blend
64742-52-5	Petroleum distillates, hydrotreated heavy naphthenic	Blend

Component Information/Information on Non-Hazardous Components

The maximum percentage of the petroleum distillate and/or residual oil blend contained in this product is: 86%

All mineral oils used in this product have been severely hydrotreated and/or solvent refined. This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview

Product is a red, non-flammable petroleum distillate mixture. Irritating and toxic vapors may be released upon combustion of product. Extinguish fire with carbon dioxide, dry chemical, foam or water fog. Oil mists may be irritating to the respiratory system and skin.

Hazard Statements

This product may be irritating to the eyes, respiratory system and skin. Pulmonary aspiration hazard if swallowed.

Potential Health Effects: Eyes

This product may cause irritation to the eyes.

Potential Health Effects: Skin

Prolonged and/or repeated skin contact with this product may cause irritation / dermatitis.

Potential Health Effects: Ingestion

No significant adverse effects are expected upon ingestion of the product. Ingestion of this product may cause nausea, vomiting and diarrhea. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death.

Material Safety Data Sheet

Material Name: 2-Cycle Exact Mix

MSDS Number: 15945

Potential Health Effects: Inhalation

Low vapor pressure makes inhalation unlikely at standard temperatures and pressures. Inhalation of oil mists or fumes can cause irritation of the nose, throat and upper respiratory tract. Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.: gloves/safety glasses

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

Flush eyes with large amounts of water for 15 minutes. Seek medical attention if eye irritation develops or persists.

First Aid: Skin

Remove contaminated clothing. For skin contact, wash immediately with soap and water. Get medical attention if skin disorder develops.

First Aid: Ingestion

If the material is swallowed, seek immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

If affected, remove individual to fresh air. If the affected person is not breathing, apply artificial respiration. Seek medical attention if symptoms persist.

First Aid: Notes to Physician

Pulmonary aspiration hazard if swallowed; treat symptomatically.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point: 230 °F (110 °C)

Upper Flammable Limit (UFL): Not available

Auto Ignition: Not available

Rate of Burning: Not available

General Fire Hazards

Product is a non-flammable petroleum distillate mixture. Mist or sprays may be flammable below the products normal flash point.

Hazardous Combustion Products

Combustion products include fumes, smoke, oxides of calcium, carbon monoxide, carbon dioxide and other low molecular weight hydrocarbons.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel. Direct water spray or foam may cause frothing and spattering. If a leak or spill has not ignited, use water spray to disperse vapors and to flush spills away from exposure.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Absorb with non-flammable suitable absorbent such as sand or earth. Scoop up used absorbent into drums or other appropriate container.

Evacuation Procedures

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Material Safety Data Sheet

Material Name: 2-Cycle Exact Mix

MSDS Number: 15945

Special Procedures

Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Surfaces may become slippery after spillage. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage systems or open water courses.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid prolonged or repeated skin contact with this material. Avoid the generation of oil mists. Wash thoroughly after handling. Use this product with adequate ventilation.

Storage Procedures

Do not store near heat, sparks, open flame or strong oxidizing agents. Do not store this material in open or unlabeled containers. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

If oil mists are generated, observe the OSHA exposure limit of 5 mg/m³; short term exposure limit of 10 mg/m³.

B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses. Wear chemical goggles or faceshield if splash or mist occurs.

Personal Protective Equipment: Skin

Use impervious gloves for prolonged contact. Wear oil-impervious garments if contact is unavoidable.

Personal Protective Equipment: Respiratory

If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.

Personal Protective Equipment: General

Use good hygiene when handling petroleum product. Launder contaminated clothing before reuse. Excessive misting may cause slippery floors - wear appropriate footwear. Eye wash fountains are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Red
Physical State: Liquid
Vapor Pressure: Not available
Boiling Point: Not available
Solubility (H₂O): Not available
Viscosity: 10.3-11.0 cSt @ 100 °C;
78.03-95.16 cSt @ 40 °C

Odor: Not available
pH: Not available
Vapor Density: Not available
Melting Point: Not applicable
Specific Gravity: 0.87-0.90
Pour Point: 0 °F (-18 °C)

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable

Chemical Stability: Conditions to Avoid

Avoid formation of mists.

Incompatibility

This product may react with strong oxidizing agents.

Material Safety Data Sheet

Material Name: 2-Cycle Exact Mix

MSDS Number: 15945

Hazardous Decomposition

Decomposition products include oxides of calcium, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information

No data available on the product as a whole. Based on similar materials, this product is expected to have a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

B: Component Analysis - LD50/LC50

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

Oral LD50 Rat: >15 gm/kg

Dermal LD50 Rabbit: >5 gm/kg

Carcinogenicity

A: General Product Information

No data available on the product as a whole.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Epidemiology

No data available for product.

Neurotoxicity

No data available on this product as a whole.

Mutagenicity

No data available on this product as a whole.

Teratogenicity

No data available for this product as a whole.

Other Toxicological Information

This product contains a blend of petroleum distillates and residual oils, all of which have been solvent refined or severely hydrotreated. The petroleum distillate and residual oil blend consists of one or more of the components identified by CAS Number in Section 2. Since these components vary with the availability of materials their presence is noted as "blend".

*** Section 12 - Ecological Information ***

Ecotoxicity

No information is available on ecotoxicity of this product.

Environmental Fate

No information is available. Keep product out of sewers and waterways.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Product as shipped does not meet the definition or characteristics of a hazardous waste.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Do not allow this material to drain into sewers/water supplies. Material should be recycled if possible.

Material Safety Data Sheet

Material Name: 2-Cycle Exact Mix

MSDS Number: 15945

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated as a hazardous material

Hazard Class: Not classified

UN/NA #: Not classified

Packing Group: Not classified

Required Label(s): None

Additional Info.: None

International Transportation Regulations

Not regulated as dangerous goods.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges of spills into or leading to surface waters that cause sheen must be reported to the National Response Center. (1-800-424-8802)

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

A: General Product Information

Other state regulations may apply.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Paraffin oils, petroleum, catalytic dewaxed heavy	64742-70-7	No	No	Yes	No	No	No
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	No	No	Yes	No	No	No

Other Regulations

A: General Product Information

No additional information.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Petroleum distillates, hydrotreated light	64742-47-8	Yes	Yes	Yes
Phenol, butenylated, aminated	78330-13-9	Yes	No	No
Benzenesulfonic acid, mono-C15-30-branched alkyl and di-C11-13-branched and linear alkyl derivatives, calcium salts, overbased	71486-79-8	Yes	Yes	No
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	Yes	Yes	Yes
Residual oils (petroleum), hydrotreated	64742-57-0	Yes	Yes	Yes
Residual oils (petroleum), solvent dewaxed	64742-62-7	Yes	Yes	Yes
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	Yes	Yes	Yes
Paraffin oils, petroleum, catalytic dewaxed heavy	64742-70-7	Yes	No	Yes
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	Yes	Yes	Yes
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Material Safety Data Sheet

Material Name: 2-Cycle Exact Mix

MSDS Number: 15945

* * * Section 16 - Other Information * * *

Other Information

This information is, to the best of Pennzoil-Quaker State Company's knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Key/Legend

N = No; Y = Yes; ppm - parts per million; mg/m³ = milligrams per cubic meter of air; ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = Occupational Safety and Health Administration; TLV = Threshold Limit Value; NIOSH = National Institute of Occupational Safety and Health; NTP = National Toxicology Program; IARC = International Agency for Research on Cancer.

This is the end of MSDS # 15945